

SEAT BACK DISPLAY WITH PROTECTIVE COVER

BACKGROUND OF THE INVENTION

1. FIELD OF THE INVENTION

[0001] The present invention relates to a display, and particularly to a display
5 with a protective cover for a back of a chair which may be used in a vehicle or
other locations.

2. PRIOR ART

[0002] Due to development in the economy and the prevalence of roads,
automobiles have become a major means of transportation. Buses can be
10 equipped with televisions for providing passengers with entertainment. These
televisions can be mounted to the roof or to seats. However, the screens of the
televisions are exposed when they are not in use. Therefore, the screens easily
accumulated dust and easily scraped, scratched, hit or damaged. Furthermore,
the televisions are easily seen so they are often stolen.

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SUMMARY OF THE INVENTION

[0003] Accordingly, an object of the present invention is to provide a seat back
display with protective cover of which the display module is covered by the
protective cover when the display is not in use. As a result, the display module is
prevented from accumulating dust or being scratched or damaged.

20 [0004] A further object of the present invention is to provide a display with a
protective cover for a back of a chair of which the display module is covered by

the protective cover when the display is not in use, thereby increasing the security and preventing the display module from being stolen.

[0005] To achieve the above-mentioned objects, a seat back display with protective cover in accordance with the present invention comprises a display module which is installed in the back of the chair, a protective cover for covering the display module thereby shielding the display module, and a connecting mechanism formed between the protective cover and the back of the chair or the frame of the display module. The protective cover is secured to the back of the chair or the frame of the display module via the connecting mechanism and is for covering the display module thereby shielding the display module.

[0006] The protective cover is generally equal to or slightly larger than the display module in size. The protective cover further comprises a pad attached or formed on the protective cover facing the display module for contacting the display module. The pad is made of a soft material, such as leather, fiber, cotton, rubber or sponge.

[0007] The connecting mechanism provides a means for removably securing the protective cover to the seat back of display module. The connecting mechanism is for example, a zipper with one side connecting with the back and the other side connecting with the protective cover.

[0008] Alternatively, the connecting mechanism comprises a plurality of snaps each having one part connecting with the back and the other part connecting with the protective cover.

[0009] Alternatively, the connecting mechanism comprises a plurality of sticky strips or pieces of Velcro, each having one part connecting with the back and the other part connecting with the protective cover.

[0010] The protective cover can have an edge fixedly connecting with the back
5 of the chair or is separatable from the back.

[0011] Other objects, advantages and novel features of the present invention will be drawn from the following detailed embodiments of the present invention with attached drawings, in which:

BRIEF DESCRIPTION OF THE DRAWINGS

10 [0012] Fig. 1 is a perspective view of a seat back display with protective cover according to an embodiment of the present invention;

[0013] Fig. 2 is another perspective view of the display showing the protective cover being secured to the back of the chair;

[0014] Fig. 3 is a perspective view of a seat back display with a protective
15 cover according to an embodiment of the present invention; and

[0015] Fig. 4 is a perspective view of a seat back display with a protective cover according to an embodiment of the present invention.

DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0016] Referring to Figs. 1-2, a seat back display with a protective cover of the
20 present invention includes a display module 10, a protective cover 20 and a connecting mechanism 30. The display module 10 is received in a receiving

chamber of the back 40 of the chair. The protective cover 20 covers the display module 10 and is generally equal to or slightly larger than the display module 10 in size. A pad 21 is formed on or attached to the protective cover 20 facing the display module 10 for contacting the display module 10 and thereby reducing the contact area between the protective cover 20 and the display module 10. The pad 21 is preferably made of a soft material, such as leather, fiber, cotton, rubber or sponge, for facilitating protection of the screen of the display module 10.

[0017] In an embodiment of the present invention, the connecting mechanism 30 is formed between the protective cover 20 and the back 40 of the chair and comprises a zipper 31 with one side connecting with the back 40 and the other side connecting with the protective cover 20. When the zipper 31 is closed, the protective cover 20 covers the display module 10 for shielding the display module 10. When the zipper 31 is opened, the display module 10 is exposed to a user. Thus, when the display module 10 is not in used, the protective cover 20 covers the display module 10 thereby preventing the display module 10 from accumulating dust or being scratched or damaged. Additionally, the protective cover hides the display module 10 and thereby prevents the display module 10 from being stolen.

[0018] Referring to Fig. 3, a seat back display with a protective cover in accordance with an embodiment of the present invention is shown and includes a display module 10, a protective cover 20 and a connecting mechanism 50. The connecting mechanism 50 includes a plurality of buttons or snaps 51 each having one part connected with the seat back 40 and the other part connected with the protective cover 20 thereby securing the protective cover 20 to the back 40 for shielding the display module 10.

[0019] Referring to Fig. 4, a display with a shield cap for a back of a chair in

accordance with an embodiment of the present invention is shown and includes a display module 10, a protective cover 20 and a connecting mechanism 60. The connecting mechanism 60 includes a plurality of sticky strips or strips of Velcro 61 each having one part connected with a back 40 of a chair and the other part
5 connected with the protective cover 20 thereby securing the protective cover 20 to the back 40 for shielding the display module 10.

[0020] In addition, the protective cover 20 may have an edge fixedly connecting with the back 40 of the chair, or it can be separatable from the back 40.

[0021] Thus, when the display module 10 is not in used, the display module 10
10 is covered by the protective cover 20 thereby preventing the display module 10 from accumulating dust or being scratched or damaged. Additionally, the protective cover hides the display module from view and prevents the display module from being stolen.

[0022] It is understood that the invention may be embodied in other forms
15 without departing from the spirit thereof. Thus, the present examples and embodiments are to be considered in all respects as illustrative and not restrictive, and the invention is not to be limited to the details given herein.